

*Kindly add the following Abstract of the Disclosure at the end of the application following the last page of the claims. The Abstract of the Disclosure is also set forth on a separate sheet at the end of this Preliminary Amendment.*

**ABSTRACT OF THE DISCLOSURE**

An induction sealing device which may be used for producing packages of pourable food products by transversely sealing a tube of sheet packaging material having at least one layer of induction heatable material covered with plastic material. The sealing device has: a generator for generating an alternating power signal; an inductor receiving the alternating power signal to induce a parasitic electric current in the layer and locally melt the plastic material to form a transverse seal; and a matching circuit for achieving optimum power transfer between the generator and the inductor. The matching circuit includes an inductive-capacitive circuit, in which the capacitance of a variable capacitance capacitive element is adjustable so that the current-voltage phase angle is close to zero.

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